

Notice of Allowability

Application No.

10/710,733

Examiner

Phallaka Kik

Applicant(s)

JOHNSON ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 12/19/2006 and interviews conducted on 12/19/2006 and 1/4/2007.
2. ☒ The allowed claim(s) is/are 1-13,30-33,40-48, wherein claims 14-29,34-39,49-59 have been cancelled and claims 30-33,40-48 have been renumbered as 14-26 respectively.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20060104.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

1. This Office Action responds to the amendment filed on 12/19/2006 and interviews conducted on 12/19/2006 and 1/4/2007. Claims 1-59 are pending, wherein claims 1-5,30-32,40-48 have been amended and claims 14-29,34-39,49-59 are withdrawn from consideration as being directed to non-elected invention with traverse. Claims 1-13,30-33,40-48 have been examined and are allowed, wherein claims 14-29,34-39,49-59 are subjected to the following Examiner's Amendment.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jack P. Friedman (Reg. No. 44,688) on 1/4/2007.

The application has been amended as follows:

In the claims:

As per **claims 14-29,34-39,49-59**, the claims have been cancelled.

Allowable Subject Matter

3. **Claims 1-13,30-33,40-48** are allowed.

4. The following is an examiner's statement of reasons for allowance:

As per **claims 1-13,30-33,40-48**, the independent claims 1,30,40, from which the respective claims depend, recite the method/computer readable medium implementing

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a method/computer readable medium comprising a model configured to be used by a computer readable program code, for modeling a characteristic C that is distributed within a domain, comprising the inventive steps/means of generated the subsidiary equations based on the generated probability density function as claimed, or inventive features of having the model involving the subsidiary equations associated with the probability density function as claimed, from which the characteristic C is to be modeled, which the prior arts made of record failed to teach or suggest. In particular, the various prior arts made various methods/systems for modeling various characteristics involving probability density function, uncertainty and equations (see especially **Reichmuth et al**, US Patent No. 6,194,670, especially col. 7, line 43 to col. 8, line 59; **Rovinelli et al.**, US Patent Application Publication No. 2006/0004608, especially paragraphs [0099], [0124], [0254]; **Henry et al.**, US Patent Application Publication No. 2006/0287840, especially paragraphs [0165], [0107]; **Wall et al.**, US Patent No. 7,131,107, especially col. 12, line 31 to col. 14, line 14). However, none of the prior arts made of record teach or suggest the inventive steps/means/features as claimed. Accordingly, the claimed invention is novel and un-obvious over the prior arts made of record.

Conclusion

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phallaka Kik whose telephone number is 571-272-1895. The examiner can normally be reached on Monday-Friday, 8AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner for Patents
P. O. Box 1450

Alexandria, VA 22313-1450

or faxed to:

571-273-8300



Phallaka Kik
Primary Examiner
January 4, 2007